

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Trulite Window & Door Solutions, LLC 8130 NW 74th Avenue Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "1600 Impact View" Aluminum Horizontal Sliding Window - L.M.I.

APPROVAL DOCUMENT: Drawing No.**W03-104**, titled "Series-1600 Impact View Alum Horiz. Sliding Wdw.", sheets 1 through 5 of 5, dated 11/18/03 with revision D dated 12/23/11, prepared by Al-Farooq Corp., signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-0930.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

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NOA No. 12-0118.21 Expiration Date: March 04, 2014 Approval Date: March 15, 2012 Page 1

Trulite Window & Door Solutions, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. W03-104, titled "Series-1600 Impact View Alum Horiz. Sliding Wdw." sheets 1 through 5 of 5, dated 11/18/03 with revision D dated 12/23/11, prepared by Al Farooq Corp., signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3791**, dated 07/12/03, signed and sealed by Joseph Chan, P.E.

(Submitted under previous NOA#03-1203.02)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3763**, dated 05/03/03, signed and sealed by Joseph Chan, P.E.

(Submitted under previous NOA#03-1203.02)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by Al-Farooq Corporation, dated 11/03/08, 09/03/10, and updated on 01/04/12, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

Manuel Perez, P.F.. Product Control Examiner

NOA No. 12-0118.21 Expiration Date: March 04, 2014 Approval Date: March 15, 2012

Trulite Window & Door Solutions, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0325.05 " issued to Solutia, Inc. for their "Saflex and Vanceva clear and color interlayers" dated 05/05/11, expiring on 05/21/16
- 2. Notice of Acceptance No. 10-0331.02 issued to Cytec Industries, Inc. for their "Uvekol S Laminated Glass Interlayer", dated 05/05/10, expiring on 02/08/14.

F. STATEMENTS

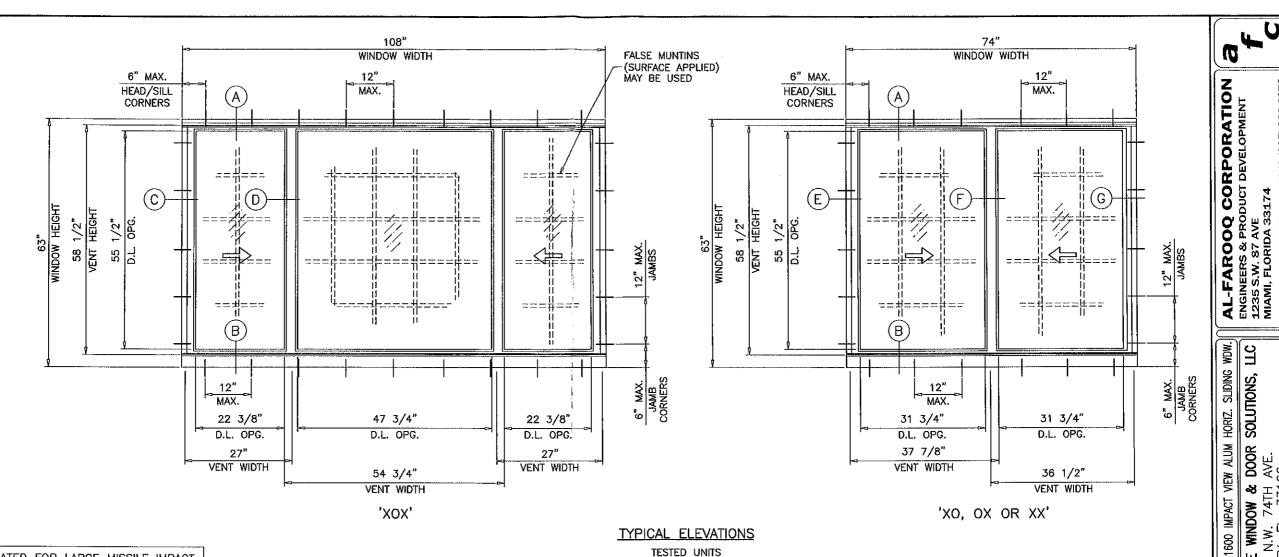
- 1. Statement letter of conformance, complying with the FBC-2010, and of no financial interest, dated January 4, 2012, signed and sealed by Javad Ahmad, P.E.
- 2. Florida Dept of State, listing of Trulite Window & Door Solutions, LLC (Foreign Limited Liability Co.), managed by Arch Intermediate Holding, LLC, Tamarac, Fl., dated 02/03/10.
- 3. Certificate of registration of name change from "Trulite Residential Windows, LLC" to "Trulite Window & Door Solutions, LLC" issued by State of Delaware on 10/28/11, signed by J.W. Bullock.
- 4. Certificate of registration of name change from "Arch Windows, LLC" to Trulite Residential Windows, LLC" issued by State of Delaware on 07/27/11, signed by J.W. Bullock.
- 5. Florida Department of State, listing of Arch Window, LLC (Foreign Limited Liability Co.), managed by Arch Intermediate Holding, LLC, Tamarac, Florida, dated 01/22/10.
- 6. Certificate of registration of Arch Windows, LLC (Delaware) in State of Florida dated 02/04/10, managed by Arch Intermediate Holding, LLC.

G. OTHER

1. Notice of Acceptance No. 10-0930.01, issued to Arch Windows, LLC dba AWP, for their Series "1600 Impact View" Aluminum Horizontal Sliding Window – L.M.I., approved on 01/08/11 and expiring on 03/04/14.

Manuel Perez, P.E. Product Control Examiner NOA No. 12-0118.21

Expiration Date: March 04, 2014 Approval Date: March 15, 2012



THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES-1600 IMPACT VIEW ALUMINUM HORIZONTAL SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR H.R. WDW. WITH OTHER MIAMI-DADE COUNTY APPROVED WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

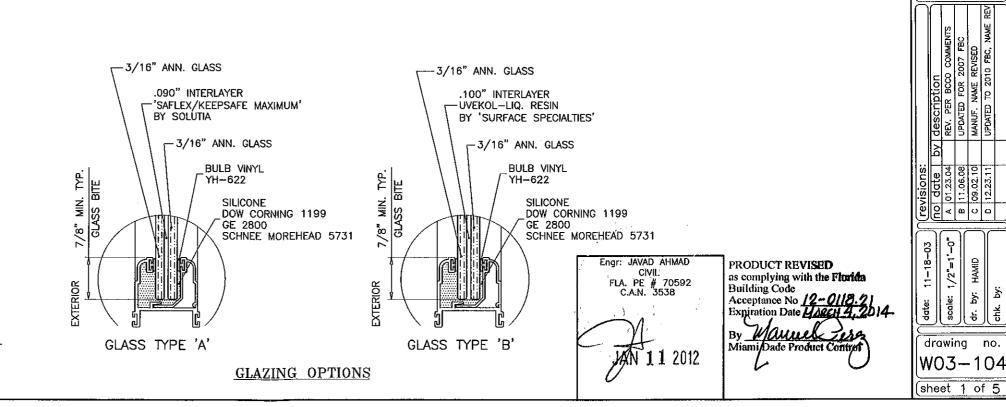
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.



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SOLUTIONS,

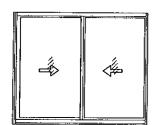
TRULITE WINDOW & DOOR S 8130 N.W. 74TH AVE. MEDLEY, FL. 33166 TEL. (305) 887-2646 FAX

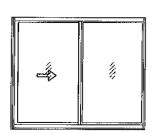
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DESIGN LO	DAD CAPACI	TY - P	SF (XO, OX	OR XX SIZES)	
WINDOW DIMS.			GLASS TYPES 'A' & 'B'		
WIDTH	HEIGHT	A	EXT.(+)	INT.(-)	
26-1/2"	<u> </u>	3	90.0	140.0	
37"	26"	4	90.0	140.0	
53-1/8"	(3)	5	90.0	140.0	
74"		7	90.0	140.0	
26-1/2"		3	90.0	140.0	
37"	38~3/8"	4	90.0	140.0	
53-1/8"	(3)	5	90.0	140.0	
74"		7	90.0	140.0	
26-1/2"		3	90,0	140.0	
37"	50-5/8"	4	90.0	140.0	
53-1/8"	(4)	5	90.0	140.0	
74"		7	90.0	131.1	
26-1/2"		3	90,0	140.0	
37"	63"	4	90.0	140.0	
53-1/8"	(5)	5	90.0	109.9	
74"		7	89.5	89.5	
24"		2	90.0	140.0	
36"	0	3	90.0	140.0	
48"	24"	4	90.0	140.0	
60"	(2)	5	90.0	140.0	
72"		6	90.0	140.0	
24"		2	90.0	140.0	
36"	"	3	90.0	140.0	
48"	36" (3)	4	90.0	140.0	
60"	(3)	5	90.0	140.0	
72"		6	90.0	140.0	
24"		2	90.0	140.0	
36"	40"	3	90.0	140.0	
48"	48" (4)	4	90.0	140.0	
60"	(4)	5	90.0	140.0	
72"		6	90.0	140.0	
24"		2	90.0	140.0	
36"		3	90.0	140.0	
48"	60" (5)	4	90.0	126.6	
60"	(0)	5	90.0	108.9	
72"	[6	90.0	98.3	

A = NO. OF ANCHORS PER HEAD & SILL () = NO. OF ANCHORS PER JAMB





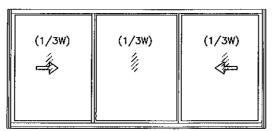
LEFT AND RIGHT VENTS TO BE OF EQUAL GLASS DLO WIDTHS

'XX'

'XO OR OX'

DESIGN LOAD CAPACITY - PSF (XOX SIZES WINDOW DIMS. GLASS TYPES 'A' & 'B' EXT.(+) INT.(-) 74" 26" 7 90.0 140.0 106-1/4" 9 90.0 140.0 111" 38-3/8" 7 90.0 140.0 106-1/4" 39 90.0 140.0 111" 9 90.0 140.0 10 90.0 140.0 140.0 74" 9 90.0 140.0 10 90.0 126.6 10 90.0 126.6 111" 9 90.0 126.6 10 90.0 124.2 124.2 74" 63" 7 90.0 150.0 106-1/4" (5) 9 90.0 140.0 84" 24" 7 90.0 140.0 84" 24" 7 90.0 140.0 96" 20.0 140.0 9 90.0 140.0 9 90.0 140.0 140.0
WINDOW DIMS. A 'A' & 'B' WIDTH HEIGHT 7 90.0 140.0 74" 26" 7 90.0 140.0 111" 10 90.0 140.0 74" 38-3/8" 7 90.0 140.0 111" 38-3/8" 9 90.0 140.0 111" 10 90.0 140.0 74" 106-1/4" 7 90.0 140.0 111" 50-5/8" 7 90.0 126.6 111" 10 90.0 126.6 111" 10 90.0 124.2 74" 63" 7 90.0 115.9 106-1/4" (5) 9 90.0 91.6 72" 6 90.0 140.0 84" 24" 7 90.0 140.0 96" (2) 8 90.0 140.0
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108" 9 9010 140.0
72" 6 90 ₁ 0 140.0
84" 36" 7 90,0 140.0
96" (3) 8 90,0 140.0
108" 9 90,0 140.0
72" 6 90.0 140.0
84" 48" 7 90.0 140.0
96" (4) 8 90.0 140.0
108" 9 90.0 136.7
72" 6 90.0 122.2
84" 60" 7 90.0 113.8
96" (5) 8 90.0 104.8
108" 9 90.0 97.6

A = NO. OF ANCHORS PER HEAD & SILL () = NO. OF ANCHORS PER JAMB



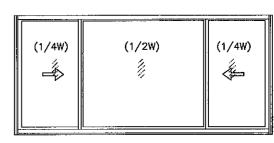
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

DESIGN	LOAD CA	PACITY	7 - PSF (X	OX SIZES)	
WINDOW DIMS.		A	GLASS TYPES 'A' & 'B'		
WIDTH	HEIGHT	A	EXT.(+)	INT.(-)	
74"	26"	7	90.0	140.0	
106-1/4"	(3)	9	90.0	140.0	
111"	(0)	10	90.0	140.0	
74"	38-3/8"	7	90.0	140.0	
106-1/4"	(3)	9	90.0	140.0	
111"	(0)	10	90.0	139.2	
74"	50-5/8"	7	90.0	140.0	
106-1/4"	(4)	9	90.0	113.4	
111"		10	90.0	108.8	
74"	63"	7	90.0	110.5	
106-1/4"	(5)	9	90.0	90.7	
72"		6	90.0	140.0	
84"	24"	7	90.0	140.0	
96"	(2)	8	90.0	140.0	
108"		9	90.0	140.0	
72"		6	90.0	140.0	
84"	36"	7	90.0	140.0	
96"	(3)	8	90.0	140.0	
108"		9	90.0	140.0	
72"		6	90.0	140.0	
84"	48"	7	90.0	139.2	
96"	(4)	8	90.0	130.1	
108"		9	90.0	116.3	
72"		6	90.0	113.8	
84"	60"	7	90.0	110.3	
96"	(5)	8	90.0	102.5	
108"		9	90.0	97.1	

A = NO. OF ANCHORS PER HEAD & SILL () = NO. OF ANCHORS PER JAMB



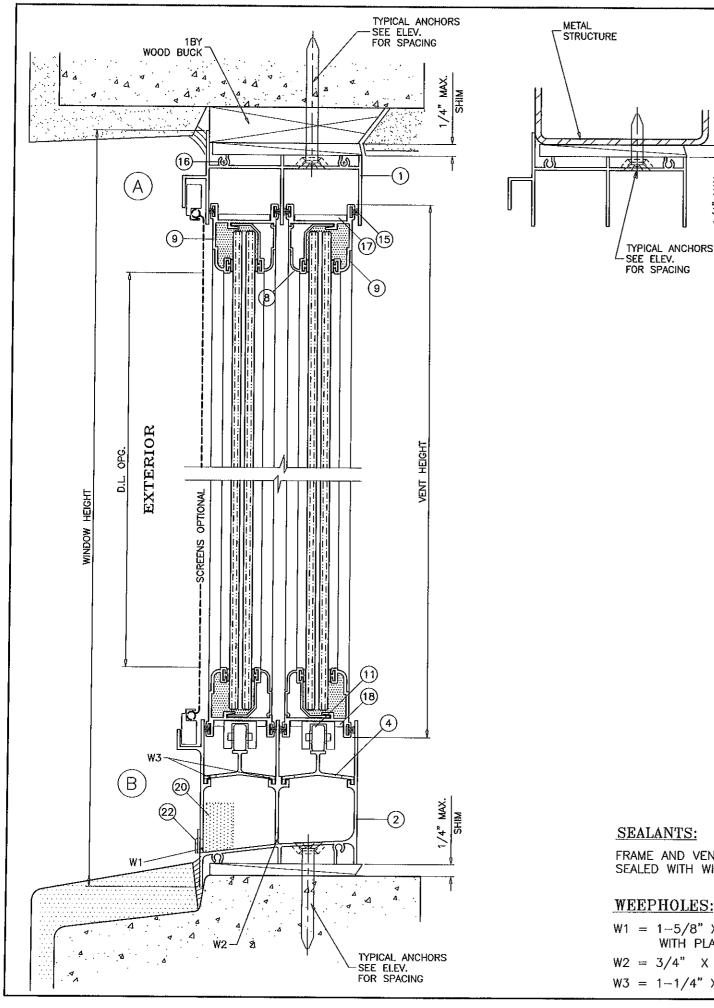
OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

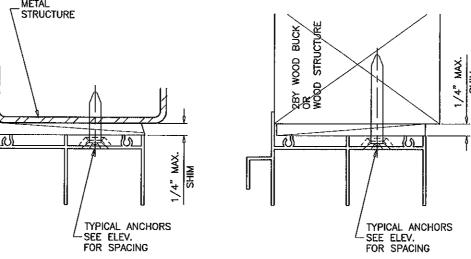
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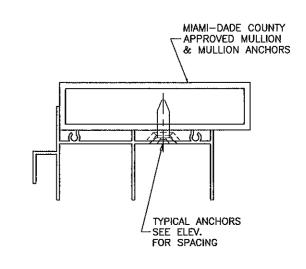
Engr: JÁVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No
Expiration Date March 4, 2014
By Manuel Person
Miami Dade Product Control

AL-FAROOQ CORPORATION	ENGINEERS & PRODUCT DEVELOPMENT	MIAMI FIORINA 33174	TTI (2001) 264 6400 EAV (205) 262 6070	1Et. (303) 204-8100 FAA. (303) 202-0318	COMP-ANE\W03
SERIES-1600 IMPACT VIEW ALUM HORIZ. SLIDING WDW. AL-FAROOQ CORPORATION	TRULITE WINDOW & DOOR SOLUTIONS, LLC	8130 N W 74TH AVE	MEDIEV EL 33166	2	TEL. (305) 887-2646 FAX (305) 883-1309
N description	REV. PER BCCO COMMENTS	UPDATED FOR 2007 FBC	MANUF. NAME REVISED	MANUF, NAME REVISED	
revisions:	A 01.23.04	B 11.06.08	C 09.02.10	D 12.23.11	
date: 11-18-03	scale: 1/2" = 1"		dr. by: HAMID		chk. by:
dro W(awi D3	ng —	 · 1	0). 4







WOOD BUCKS AND METAL STRUCTURE NOT BY TRULITE MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) INTO METAL STRUCTURES

STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090") (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

W1 = 1-5/8" X 1/4" WEEPHOLES AT 12" FROM EACH END WITH PLASTIC BAFFLE

W2 = 3/4" X 5/8" WEEPHOLE AT EACH END

W3 = 1-1/4" X 1/4" WEEPHOLES AT 16-1/2" FROM EACH END



PRODUCT REVISED as complying with the Florida **Building Code** Building Code
Acceptance No 12-0 [18,2]
Expiration Date March 4, 20 | 4.

By March 1012
Miami/Dade Product Control

EC ED SOLUTIONS,

.... VIEW ALUM H.
.... WINDOW & DOOR S
N.W. 74TH AVE.
Y, FL. 33166
5) 887-25

HAMID dr. by: ä

drawing no. W03-104

sheet 3 of 5

